

## Diaphragm Supply Pump FP-20, FP-40



The diaphragm supply pumps FP-20 and FP-40 are designed as an intermediate pump between a main tank and the buffer tank of a precision dosing pump.

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### Main features of the diaphragm supply pumps FP-20 and FP-40

The pump handles a wide range of media viscosities.  
 Controlled by time and pressure.  
 All parts in contact with the medium are made of highly resistant materials.  
 Easy disassembly for cleaning.

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### Media and pump properties of the diaphragm supply pumps FP-20 and FP-40

Property	Nominal value FP-20	Nominal value FP-40	Tolerance / specification
Dosing amount	up to 20 ml	up to 40 ml	
Viscosity	1 ... 600 cps		
Temperature range	+4 ... +60 °C		
Medium pressure created by pump	< 0.2 bar		Depending on tube length and viscosity
Maximum flow of medium	20 ml/sec	40 ml/sec	Depending on tube length and viscosity

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### Materials in contact with the medium in the diaphragm supply pumps FP-20 and FP-40

Part	Material	
Pump membrane	PTFE-IIR compound	
O-ring sealings	EDPM	optional: FFPM
Metal parts	Stainless steel	Anticorodal. Optionally any other material suitable for the task.

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**Physical properties and environment of the diaphragm supply pumps FP-20 and FP-40**

<b>Property</b>	<b>Nominal value</b>	<b>Specification</b>
Length / width / height	70 / 90 / 90 mm	
Weight	1.5 kg	
Ambient temperature for drive	+4 ... +60 °C	
Compressed air for pneumatic functions	0.2 - 2 bar	
Vacuum for pneumatic functions	0.2 - 0.7 bar	regulated